

ADDENDUM NO. 1

TO

POLYTECH SCHOOL DISTRICT
POLYTECH BUILDING RENOVATIONS
Bid Pack 'B' – ADA Upgrades & Cafeteria Renovations

This addendum is hereby made part of the Project Manual dated 15 January 2016 and Drawings dated 15 January 2016.

The Project Manual and Drawings shall be supplemented or amended as specified herein.

This Addendum contains changes to the requirement of the Project Manual. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of a paragraph of the Project Manual, the remainder of the paragraph affected shall remain in force. Added information is shown as **Bold**, deleted information is shown as ~~striketrough~~.

This Addendum contains changes to the requirement of the Drawings. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of any drawing, the remainder of the drawing affected shall remain in force. Added, deleted or revised information is shown as "clouded".

The conditions and terms of the basic Contract Documents shall govern work unless otherwise described in this Addendum. Whenever the conditions of work, and the quality or quantity of materials, or workmanship are not fully described in this Addendum, the conditions of work included in the basic Contract Documents for similar items of work shall apply to the work described in this Addendum.

If no similar items of work are included in the basic Contract Document, the best quality of material and workmanship shall apply and all work shall be subject to the written acceptance of the Architect.

THE BID OPENING DATE AND TIME REMAINS UNCHANGED. Bids should be submitted in an envelope clearly marked, "BID ENCLOSED – "POLYTECH SCHOOL DISTRICT – POLYTECH BUILDING RENOVATIONS, BID PACK 'B' ADA Upgrades & Cafeteria Renovations, and contract number.", and will be received until 2:00 P.M. on Tuesday 23 February 2016, at Polytech School District Office, 823 Walnut Shade Road, Woodside, Delaware 19980. NO BID WILL BE ACCEPTED AFTER 2:00 P.M. FAXED BIDS ARE NOT ACCEPTED.

Addendum No. 1 consists of the following:

- I. Sign-in Sheet from Pre-bid Meeting dated 5 February 2016.
- II. Responses to Bidders' Questions
- III. Revisions to Project Manual
- IV. Revisions to Drawings

- I. **SIGN-IN SHEET FROM PRE-BID MEETING** – Attached is a copy of the sign-in sheets from the pre-bid meeting held on 5 Feb 16.

II. **RESPONSES TO BIDDERS' QUESTIONS** - None

II. **REVISIONS TO PROJECT MANUAL**

A. **Section 000110 – Table of Contents**

1. CHANGE section “075423” to read “075400”, in the DALLC technical specifications.
2. ADD Section 066400 Plastic Paneling to the list of BSA+A technical specifications.

B. **Section 004100 – Bid Form and Attachments**

1. **Contract No. B-02 Concrete** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
2. **Contract No. B-03 Masonry** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
3. **Contract No. B-04 Structural Steel and Miscellaneous Metals** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
4. **Contract No. B-05 Carpentry and General Work** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
5. **Contract No. B-06 Casework** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
6. **Contract No. B-07 Roofing** - DELETE pages 004100-1 thru 004100-4 in their entirety. INSERT revised pages 004100-1 thru 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
7. **Contract No. B-08 Windows, Storefronts, & Glazing** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
8. **Contract No. B-09 Metal Framing and Drywall** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
9. **Contract No. B-10 Paint and Wall Finishes** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
10. **Contract No. B-11 Acoustical Ceilings** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
11. **Contract No. B-12 Terrazzo Flooring** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
12. **Contract No. B-13 Epoxy Flooring** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
13. **Contract No. B-14 Carpet, VCT & Ceramic Tile** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
14. **Contract No. B-15 Food Service Equipment** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
15. **Contract No. B-16 Mechanical and Plumbing** - DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
16. **Contract No. B-17 Fire Protection** - INSERT new pages 004100-1 thru 004100-8, annotated Addendum No. 1, dated 8 Feb 16.

17. **Contract No. B-18 Electrical, Fire Alarm & Special Systems-** DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
 18. **Contract No. B-20 Testing, Adjusting & Balancing -** DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
 19. **Contract No. B-21 Sitework -** DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
 20. **Contract No. B-22 Artificial Turf -** DELETE page 004100-4 in its entirety. INSERT revised page 004100-4, annotated Addendum No. 1, dated 8 Feb 16.
- C. **Section 011100 – Summary of Work:** INSERT Summary of Work, annotated Addendum No. 1, dated 8 Feb 16.

III. REVISIONS TO DRAWINGS – None

END OF ADDENDUM NO. 1



EDIS COMPANY

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TEL (302) 421-5700 • FAX (302) 421-5715 • WWW.EDISCOMPANY.COM

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POLYTECH SCHOOL DISTRICT - BUILDING RENOVATIONS
BID PACKAGE 'B' - PRE-BID MEETING
Date: 5 February 2016

Please Print!

COMPANY NAME	CONTACT NAME	EMAIL ADDRESS	PHONE NUMBER	FAX NUMBER	MAILING ADDRESS
J.W. Walker	Ken Seibert	Ken@JWWalkers.biz	302-378-3500	302-378-3503	565 OLD SUMMIT BEIDGE ROAD MIDDLETOWN, DE 19709.
J.W. WALKER	DAVE WALKER	DAVE@JWWALKER.BIZ	302-378-3500	302-378-3503	
ARGD & Sons Inc	Anthony S. Degliobizzi	anthony.s.degliobizzi@argd.com	302-652-3593		
Tri-M Group	David Fazio	DFazio@tri-mgroup.com	606-466-5010		206 GARD LANE, KS PA.
Tri-M Group	Robert Anderson	RAnderson@tri-mgroup.com			206 GARD LANE, KS PA.
Thompson Sons Conventional Builders Inc.	Timothy Thompson Brian Thompson	Thompson Sons Inc @concast.net Conventional Builders @concast.net	302-335-3424 302-422-2429	335-3422	5367 Big Stone Bch Rd Miford DE 19963
John Briggs	Keith Long	JLBRI665 CO @VERIZON.NET	302-853-7057	302-422-2135	PO Box 47 Houston DE 19957.
Michael Peet	modern Controls	mpeet@moderncontrols.com	302-218-1650	858-7085	106 E LAUREL ST GEORGETOWN DE 19647



**POLYTECH SCHOOL DISTRICT- BUILDING RENOVATIONS
BID PACKAGE 'B' - PRE-BID MEETING
Date: 5 February 2016**

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TEL. (302) 421-5700 • FAX (302) 421-5715 • WWW.EDISCOMPANY.COMPOLYTECH SCHOOL DISTRICT- BUILDING RENOVATIONS
BID PACKAGE 'B' - PRE-BID MEETING
Date: 5 February 2016

Please Print!

COMPANY NAME	CONTACT NAME	EMAIL ADDRESS	PHONE NUMBER	FAX NUMBER	MAILING ADDRESS
Kent Construction DIAMOND STATE ENGINEERING	LARRY SCUSE STEVIE PIECH	Estimator2@kentconstruction.com ESTIMATOR@DIAMOND STATE ENGINEERING.COM	653 6469 302-697- 3296	653 2108 302-697- 1348	2 BIG OAK SMYRNA 3588 PEACHTREE RUN DOVER DE, 19901
Joseph T. Richardson	Larry Kull	Larry@JTAmech.net	302 358 7101	302 358 9804	105 CENTA ST HARRINGTON, DE 15552
MID-ATLANTIC ELECTRIC	VICTOR ROLLI	VROLL@MAES1.com	302 934- 7171	302 934 7170	24556 BETTS POW RD MILLSBORO, DE 19966
Mid-Shore Electrical Services, Inc.	JOE PRATT	Jpratt@midshoreelectrical.com	302-945 2655	302 945 2049	24870 Rivers Edge Rd Millsboro, De 19966

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SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Concrete	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

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1. Masonry	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Structural Steel	_____	_____	_____
2. Misc. Metals	_____	_____	_____
3.	_____	_____	_____

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Carpentry	_____	_____	_____
2. Vertical Retractable Wall Installer	_____	_____	_____
3. Operable Partition Installer	_____	_____	_____

SUBCONTRACTOR LIST

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Educational Casework Installer	_____	_____	_____
2. Educational Casework Supplier	_____	_____	_____
3. Modular Casework Installer	_____	_____	_____
4. Modular Casework Supplier	_____	_____	_____
5.	_____	_____	_____

Contract No. B-07 Roofing

BID FORM

For Bids Due: _____

To: Polytech School District
823 Walnut Shade Road
Woodside, DE 19980

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____ - _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 1: Replace Roof over Areas 1000 & 2000

Add/Deduct _____ (\$ _____)

CONTRACT B-07 ROOFING

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	ADD	DEDUCT
7. Price per square foot for removal, disposal, and replacement of damaged existing rigid roof insulation with new polyisocyanurate type insulation	_____	_____
8. Price per square foot for removal, disposal, and replacement of damaged gypsum roof decking	_____	_____

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for ninety (90) days the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

CONTRACT B-07 ROOFING

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Subcontractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program (1 per contractor/subcontractor)
Delaware Business License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Roofing	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Aluminum Windows	_____	_____	_____
2. Aluminum Storefront	_____	_____	_____
3.	_____	_____	_____

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1. Metal Framing	_____	_____	_____
2. Drywall	_____	_____	_____
3.	_____	_____	_____

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1. Painting	_____	_____	_____
2. Acoustic Spray Foam	_____	_____	_____
3.	_____	_____	_____

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1. Acoustical Ceilings	_____	_____	_____
2. Wood Panel Ceilings	_____	_____	_____
3. Acoustical Wall Panels	_____	_____	_____
4.	_____	_____	_____

SUBCONTRACTOR LIST

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Terrazzo Flooring	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

SUBCONTRACTOR LIST

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Epoxy Flooring	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

SUBCONTRACTOR LIST

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<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Carpet	_____	_____	_____
2. VCT	_____	_____	_____
3. Ceramic Tile	_____	_____	_____

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Food Service Equipment Installer	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Mechanical	_____	_____	_____
2. Plumbing	_____	_____	_____
3. Sheet Metal	_____	_____	_____
4. Insulation	_____	_____	_____

Contract No. B-17 Fire Protection

BID FORM

For Bids Due: _____

To: Polytech School District
823 Walnut Shade Road
Woodside, DE 19980

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____ - _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

N/A

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

CONTRACT B-17 FIRE PROTECTION

BID FORM AND ATTACHMENTS

PU09, Revised 1/2016

004100-1

N/A

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for ninety (90) days the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)
_____ (Title)

Date: _____

ATTACHMENTS

Subcontractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program (1 per contractor/subcontractor)
Delaware Business License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Fire Protection	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date _____.

All the terms and conditions of *Contract No.:* _____ have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20__.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of _____ in the County of _____ and State of _____ as Principal, and _____ of _____ in the County of _____ and State of _____ as Surety, legally authorized to do business in the State of Delaware ("State"), are held and firmly unto the Polytech School District in the sum of _____ Dollars (\$_____), or percent not to exceed _____ Dollars (\$_____) of amount of bid on Contract No. _____ to be paid to the Polytech School District for the use and benefit of the Polytech School District for which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bounden Principal who has submitted to the Polytech School District a certain proposal to enter into this contract for the furnishing of certain material and/or services within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this Contract as may be required by the terms of this Contract and approved by the Polytech School District this Contract to be entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this day of _____ in the year of our Lord two thousand and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate
Seal

By: _____
Authorized Signature

Attest _____

Title

Witness _____

Name of Surety

Title

CONSENT OF SURETY

DATE _____

To:

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Electrical	_____	_____	_____
2. Fire Alarm	_____	_____	_____
3. Data Cabling	_____	_____	_____

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Testing, Adjusting & Balancing	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Sitework	_____	_____	_____
2. Grease Trap	_____	_____	_____
3.	_____	_____	_____

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor</u> <u>Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID #</u> <u>or Delaware Business license #</u>
1. Sitework	_____	_____	_____
2. Artificial Turf Manufacturer	_____	_____	_____
3. Artificial Turf Installer	_____	_____	_____

SECTION 011100 - SUMMARY OF WORK

1. RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Sections, apply to work of this Section.

2. CONTRACTS

- A. The work will be performed under separate prime contracts managed by the Construction Manager.

3. ALTERATIONS & COORDINATION

- A. Contractor shall be responsible to coordinate their work with the work of others, including, but not limited to, the preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of activity, through project close-out and warranty periods.

4. KNOWLEDGE OF CONTRACT REQUIREMENTS

- A. The Contractor and his Subcontractors, Sub-subcontractors and material men shall consult in detail the Contract Documents for instructions and requirements pertaining to the Work, and at his and their cost, shall provide all labor, materials, equipment and services necessary to furnish, install and complete the work in strict conformance with all provisions thereof.
- B. The Contractor will be held to have examined the site of the Work prior to submitting his proposal and informed himself, his Subcontractors, Sub-subcontractors and material men of all existing conditions affecting the execution of the Work.
- C. The Contractor will be held to have examined the Contract Documents and modifications thereto, as they may affect subdivisions of the Work and informed himself, his Subcontractors, Sub-subcontractors and material men of all conditions thereof affecting the execution of the Work.
- D. The Scope of Work for the Contract is not necessarily limited to the description of each section of the Specifications and the illustrations shown on the Drawings. Include all minor items not expressly indicated in the Contract Documents, or as might be found necessary as a result of field conditions, in order to complete the Work as it is intended, without any gaps between the various subdivisions of work.
- E. The Contractor will be held to be thoroughly familiar with all conditions affecting

labor in the area of the Project including, but not limited to, Unions, incentive pay, procurements, living, parking and commuting conditions and to have informed his Subcontractors and Sub-subcontractors thereof.

5. CONTRACT DOCUMENTS INFORMATION

- A. The Contract Documents are prepared in accordance with available information as to existing conditions and locations. If, during construction, conditions are revealed at variance with the Contract Documents, notify the Construction Manager immediately, but no more than three (3) days from the day the variance is first known. Failure to give timely notice shall operate to waive any claim Contractor might otherwise have for an adjustment to Contract Time or Sum as a consequence of such variance.
- B. The Specifications determine the kinds and methods of installation of the various materials, the Drawings establish the quantities, dimensions and details of materials, the schedules on the Drawings give the location, type and extent of the materials.
- C. Dimensions given on the Drawings govern scale measurements and large scale drawings govern small scale drawings, except as to anything omitted unless such omission is expressly noted on the large scale drawings.
- D. The techniques or methods of specifying to record requirements varies throughout text, and may include "prescriptive", "open generic/descriptive", "compliance with standards", "performance", "proprietary", or a combination of these. The methods used for specifying one unit of work has no bearing on requirements for another unit of work.
- E. Whenever a material, article or piece of equipment is referred to in the singular number in the Contract Documents, it shall be the same as referring to it in the plural. As many such materials, articles or pieces of equipment shall be provided as are required to complete the Work.
- F. Whenever a material, article or piece of equipment is specified by reference to a governmental, trade association or similar standard, it shall comply with the requirements of the latest publication thereof and amendments thereto in effect on the bid date.
- G. In addition to the requirements of the Contract Documents, Contractor's work shall also comply with applicable standards of the construction industry and those industry standards are made a part of Contract Documents by reference, as if copied directly into Contract Documents, or as if published copies were bound herein.
- H. Where compliance with two (2) or more industry standards, contract requirements, or sets of requirements is specified, and overlapping of those different standards or

requirements establishes different or conflicting minimums or levels of quality, then the most stringent requirements, which are generally recognized to be also the most costly, is intended and will be enforced, unless specifically detailed language written into the Contract Documents clearly indicates that a less stringent requirement is to be fulfilled. Refer apparently equal but different requirements, and uncertainties as to which level of quality is more stringent, to Architect for decision before proceeding.

- I. Reference standards referenced directly in Contract Documents or by governing regulations have precedence over non-reference standards which are recognized in industry for applicability of work.
- J. Contractor's bid is based on the complete set of Contract Documents including documents not specifically issued as part of the bid pack but referenced in same.

6. SCOPE OF WORK/GENERAL INFORMATION

- A. A Scope of Work for each contract to be awarded on the project follows in this section. When a Contract has been awarded to a Contractor, the successful Contractor will be listed after the title of the Contract. When no Contract has yet been awarded, no Contractor's name will be listed. Previous Scopes of Work include addendum changes.
- B. Contractor is responsible for performing the work listed in the Summary of Work for his contract. Contractor is also responsible for knowing the work that has been assigned to preceding contracts. No additional compensation or extension of time will be allowed a Contractor due to his ignorance of the work assigned to his Contract or to other contracts which may affect his work. The Contractor is responsible, however, for all items which are covered in the Specifications and Drawings relating to their Contract if not specifically mentioned in the Summary of Work.
- C. The Construction Manager will provide on-site a source for temporary electric, temporary water and portable sanitation facilities only. It is each Contractor's responsibility to make the necessary connections, including all material for temporary electric and water. Please note that utility charges for office trailers will be the responsibility of the individual Contractors.
- D. A dumpster will be provided on site for free use by Contractors to dispose of non-hazardous, common, work-related refuse. Clean-up is the responsibility of each Contractor. Clean up shall be performed on a daily basis. Contractors not complying will be advised in writing and back charged for all costs associated with the cleanup of their work.
- E. Contractors are reminded that there are limited storage areas available on site. Off-

site storage will be the responsibility of each individual Contractor. Neither the owner or construction manager will be charged additional costs for storage during the project.

- F. Office trailer permits off site will be the responsibility of each individual Contractor. On site Contractor's field offices, one (1) per Contractor, if required, will be located as directed by the Construction Manager.
- G. Contractor will be prepared to discuss and submit a detailed project schedule seven (7) days after receipt of Notice to Proceed and to begin its submittal process. The Project Schedule is an integral part of this contract. Certain construction sequences and priorities must take place in order to meet the target dates. Concentrated work periods will occur and each Contractor is responsible to staff the project as required by the current Construction Schedule or as directed by the Construction Manager. Contractor will cooperate with the Construction Manager in planning and meeting the required sequences of work and Project Schedule as periodically updated by the Construction Manager.
- H. All bids must include insurance limits in accordance with Article 11 of the Section 007300 SUPPLEMENTARY CONDITIONS.
- I. Hoisting, scaffolding and material handling is the responsibility of each Contractor, unless otherwise noted.
- J. Contractor will be responsible for layout of its own work. The Construction Manager will provide benchmark and layout of the building line.
- K. Contractor will be responsible to keep clean public roadways soiled by construction traffic on a daily basis. If cleaning is not done, the Construction Manager may perform the cleaning on an overtime basis and backcharge the Contractor responsible.
- L. Contractor Scopes of Work and Schedule are interrelated. Familiarity with each is required.
- M. The Construction Manager will provide testing services for soil, concrete and steel. Other testing as required by the Contract Documents will be in accordance with the technical specifications and/or the individual scope of work. Refer to Specification Section 004500 - QUALITY CONTROL.
- N. Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.
- O. Inter-Contractor shop drawing distribution will be performed by the Construction Manager. Contractor is individually responsible for either coordinating his work

with these distributed drawings or notifying the Construction Manager, in writing, of any discrepancies.

- P. Coordination with other trades will be required. The Contractor will be required to attend periodic coordination meetings with other trades where requirements, conflicts and coordination issues will be discussed and resolved. Attendance when requested will be mandatory. If inter-Contractor coordination is not satisfactorily performed, the conflicting Contractors shall mutually share the cost to relocate and/or reinstall their work.
- Q. Contractor shall submit a schedule of values to the Construction Manager, through Building Blok Management System, prior to the submission of their first invoice for approval.
- R. Contractor is expected to review and coordinate its Work with the complete set of Contract Documents, including all items noted as by his trade whether or not shown on that particular set of drawings. Documents are available at the site for review.
- S. Contractor is responsible for obtaining all necessary permits required for his work, including street permits. Unless otherwise noted, building permit shall be secured by the Construction Manager. Any subcontractor who will be restricting access to street, right of way or adjacent property must notify the Construction Manager 48 hours in advance.
- T. Contractor's License: Submit a copy of all business licenses required by local and state agencies.
- U. Contractor shall absorb, without additional compensation, any and all costs of working beyond normal hours to maintain job progress in accordance with the current construction schedule.
- V. No asbestos or PCB's in or on any material or equipment will be accepted or allowed on this project. All hazardous materials will be treated in accordance with all State and Federal regulations.
- W. Each individual Contractor will provide fine clean up on a daily basis. Fine cleaning will be defined as those means/methods utilized to ensure that all odors, dust, and debris will be non-existent within the project area at the end of each workday. In addition, means and methods shall be utilized that prevent the migration of odors, dust, debris, and excessive noise from migrating into non-working areas. An approved cleanup plan will be required before the initial start of the work. The construction manager reserves the right to stop the work, or any portion thereof, upon failure to provide the required cleaning. Contractors will be individually back charged by the Construction Manager for clean up not satisfactorily performed by the Contractor.

- X. In the event asbestos is uncovered, the Contractor shall notify the Construction Manager of the areas requiring removal of asbestos. The Construction Manager shall then coordinate the removal with the Owner.
- Y. This project is to be constructed adjacent to and in existing buildings. Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing building in the area.
- Z. Existing mechanical, electrical, plumbing, sprinkler, medical gas, fire alarm, etc. systems will be shut off and locked out by the Owner as required by the Work. Tie-in and modifications to those systems will be performed by the specific Contractor associated with the work as indicated in the Contract Documents. Re-energizing and re-startup of all systems should be performed by the Owner.
- AA. NOT USED
- AB. Normal work hours for this project are from 7:00 a.m. to 3:30 p.m. Any work to be performed outside of these hours must receive prior approval from the Construction Manager. Requests to work beyond normal work hours shall be submitted at least 48 hours prior.
- AC. Contractor is responsible for having a competent project superintendent/foreman on-site during all work performed under its contract.
- AD. In the event the Contractor has non-English speaking employees or subcontractors on the project, they shall have a superintendent or foreman on site, at all times, who speaks English and can communicate with Contractor's employees. Should the Contractor fail to meet this requirement, at any time, Construction Manager may direct all Work to stop until the proper supervision is on site. The Contractor will be responsible for maintaining the project work schedule and make up at its own expense, any delay to the Schedule resulting from the work stoppage.
- AE. Punch List Procedures: Contractor shall be given a copy of the punch list with his appropriate work identified. Contractor shall have nine (9) calendar work days to complete its punch list work. On the 10th day or as determined by the Construction Manager, the Construction Manager shall employ other contractors, as required, to complete any incomplete punch list work and retain from the appropriate Contractors retainage all costs incurred.
- AF. Contractor shall provide the necessary safety barricades and railings required to complete their work and comply with all OSHA, local code and contract specifications.

- AG. Temporary Protection: Provide temporary protection to ensure that no damages occur to existing or new finishes, building components, materials, equipment, etc. In addition, provide all approved signage and safety devices applicable to the referenced temporary protection. An approved temporary protection plan will be required before the initial start of the work.

**CONTRACT NO. A-1: UTILITY & SITEWORK (AWARDED TO GATEWAY
CONSTRUCTION)**

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements
Section 221113	Facility Water Distribution Piping
Section 311000	Site Clearing
Section 212000	Earth Moving
Section 315000	Excavation Support and Protection
Section 321216	Asphalt paving
Section 321313	Concrete Paving
Section 321373	Concrete Paving Joint Sealants
Section 323113	Chain Link Fences and Gates
Section 329200	Turf and grasses
Section 330500	Common Results for Utilities

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

- 1-1 Provide sitework, water utilities, paving, curbs, walks and topsoil/seeding. The final tie-in of the water main extension to the existing water service will be done on a Saturday or Sunday and must be coordinated a minimum of 7 days prior to the work.
- 1-2 This Contractor shall visit the site of the proposed work, fully acquaint and familiarize themselves with the conditions as they exist and the character of the operations to be carried out under the proposed Contract, and make such investigation as they may see fit so that they shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize themselves with all conditions which might affect the work shall not be allowed.
- 1-3 Provide layout of this contract work from a licensed surveyor.
- 1-4 Furnish, install, maintain and remove sediment control systems including sediment control plan. Maintain sediment control until substantial completion established by DNREC.
- 1-5 Provide and maintain stabilized construction entrances.

- 1-6 Provide potable water for sitework and dust control from a mobile source. The use of the school district's fire hydrants for construction water is not authorized. The Construction Manager will not provide this service.
- 1-7 Protect all existing trees to remain within the limits of construction.
- 1-8 Provide a certified construction reviewer (CCR) to perform inspections and provide written reports; signed and sealed by a professional engineer.
- 1-9 Clearing, grubbing and removal of trees, roots and stumps.
- 1-10 Saw cutting and removal of sidewalks, curbs, etc. in the performance of work is this Contractor's responsibility.
- 1-11 Filling and backfilling as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with the project documents. It is the intent to re-use the existing material for the backfill of the waterline trench. Imported fill is necessary for the filling of the existing pond shown on C-503. Any excess material from the construction of the waterline extension can be used as fill in the pond as long as the material is acceptable. If it is determined by the testing agency that the onsite material is unsatisfactory material then the material shall be removed and replaced at a unit price for select fill.
- 1-12 This Contractor will hire a utility locating service to locate and mark all of the existing utilities within the limits of construction. The Contractor will hand dig test pits in order to locate existing utilities and structures that are within the limits of the new utility.
- 1-13 Provide perimeter protection of all excavated areas until suitably backfilled.
- 1-14 This Contractor shall clean public streets and sidewalks daily. This Contractor shall collect and remove from the site daily all rubbish, scrap and other debris resulting from its operations.
- 1-15 Include all costs for traffic maintenance, temporary signage, temporary barricades, arrows, pedestrian protection, flagman, etc. required to complete the work.
- 1-16 Base bid shall include all standard dewatering measures; utilizing trenches, corks, stone and portable pumping measures. This contractor to provide these measures as required to perform their work. Well pointing if necessary will be handled as a negotiated cost by the Owner.
- 1-17 Furnish, install, maintain, and remove temporary orange construction fencing as required by Construction Manager.

- 1-18 Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.
- 1-19 Remove from site concrete slabs on grade, hot mix paving, retaining walls (concrete and masonry) in a legal manner.
- 1-20 This Contractor shall notify the Construction Manager immediately if hazardous materials (i.e. asbestos, lead, PCB's, etc.) are uncovered. At that time, all work in the affected area will be stopped until proper removal can be completed by others (i.e. hazardous material abatement contractor).
- 1-21 Temporary maintenance standby labor such as for temporary water, temporary power, temporary light and the like where required due to this Contractor's work is to be included within the Contract Price.
- 1-22 This Project is to be constructed adjacent to existing buildings, this Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing buildings in the area.
- 1-23 All light, power, water and any other utilities, including special provisions for hookups to same for this Contractor's operations will be provided by this Contractor within the Contract Price and unit prices.
- 1-24 This Contractor shall comply with all Federal, State and local laws requiring noise control and hours which work is to be conducted. Mufflers, "whisperized" compressors, etc., shall be used as required for compliance with laws and ordinances throughout the course of the Work.
- 1-25 It is understood that all Work under this Contract shall be in strict accordance with the Building Code with the County, State and any other agency having jurisdiction. In the event of any conflict in any provisions of any regulatory agency and Contract Documents, the more stringent requirements shall apply.
- 1-26 This Contractor, in the performance of the Work, shall maintain all required means of egress from the existing buildings and alter such stairs, platforms and fire escapes as required to satisfy all agencies having jurisdiction.
- 1-27 Street openings made for the shutting off or tapping of utility lines or for any other purpose shall be backfilled, tamped and the surfaces restored in accordance with the requirement of applicable local codes or to match existing; whichever is greater.
- 1-28 Provide a new man gate in the existing chain link fence.

-
- 1-29 Modify the existing domestic water and heating piping at the well house, as shown on drawing C-304, after the final tie-in of the new water main to the existing water service.
 - 1-30 Provide prep, priming and painting of new and existing piping per notes W-19 and W-20.

LANDSCAPING

- 1-31 Provide all plant material and all associated work including, but not limited to, staking, watering, weeding, etc. The bare root plants must be planted in early spring.
- 1-32 Planting soil mix in beds and topsoil to be provided by this Contractor. Provide all additional soil mix required to set plant materials and final grading.
- 1-33 Provide filter fabric, weed, check and mulch.
- 1-34 Provide all temporary and permanent seeding, seed bed preparation, fertilizer, lime, and mulch as needed.
- 1-35 Provide specified warranties.
- 1-36 Remove all stakes and guys from trees and site at the end of the guarantee period.
- 1-37 Re-Forestation shown on the drawings is for reference only. This work is not part of this contract and will be performed by others.

CONTRACT NO. B-02 CONCRETE

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

None

BSA+A Specifications

Section 021500	Underpinning and Shoring
Section 024113	Selective Demolition
Section 033000	Cast-In-Place Concrete
Section 072100	Thermal and Acoustic Insulation
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide concrete foundations, wall footings, piers, slabs-on-grade, and all reinforcing steel.
2. Provide concrete foundations which are doveled into the existing building foundations at the new additions. Underpinning and shoring of the existing foundations is the responsibility of this contractor.
3. This Contractor will be responsible for laying out all concrete work as shown on the structural and architectural drawings.
4. This Contractor to furnish and install reinforcing steel, admixtures, curing compound, sealers as required in the Contract Documents.
5. Provide perimeter insulation below grade at all foundation walls.
6. Provide underslab vapor barrier, insulation, reglets, waterstops, control and construction joints (including required caulking at control and construction joints).
7. Placement of related items furnished under other Specification Sections.
8. Anchor bolts and leveling plates to be installed by this Contractor and furnished by the Structural Steel contractor. Installation within required tolerances. Anchor bolt

assemblies to be placed with templates only. Contractor shall supply as-built drawings to steel erector for coordination prior to steel placement.

9. All blockouts and embedments required by plans and specifications.
10. This Contractor to furnish and install all sleeves for incoming utilities at the perimeter walls.
11. This Contractor is responsible for grouting all structural steel base or leveling plates and elevator sill angles.
12. Include all weather, frost protection, hot weather concreting, temporary barriers, and enclosures as required. This Subcontractor is also responsible for the premiums required for hot water, heated aggregate and admixtures for cold weather concrete.
13. Furnish, install and maintain stone underslab. The Sitework Contractor will bring the area beneath the addition to an elevation that is 8" below finished floor elevation. The area will then be turned over to the Concrete Contractor who will be excavating and installing the foundations. Backfilling around the foundation walls, inside and outside, will be the responsibility of the Concrete Contractor. Close coordination with the Sitework, Masonry, Mechanical and Electrical Contractors is required.
14. The Concrete Contractor will be responsible to maintain all open excavations which they created and dewater as specified until the excavations are accepted by the Masonry Contractor. The Masonry Contractor will be responsible to maintain and dewater all excavations until the masonry work is complete. Once the masonry work is complete the areas will be turned over to the Concrete Contractor who will be responsible to maintain and dewater all excavations until the areas are properly backfilled and final acceptance. The Concrete Contractor and the Masonry Contractor are to coordinate this procedure so that there are no additional costs to the Owner for additional excavation or concrete.
15. Provide and maintain perimeter fall protection at excavated area per OSHA standards.
16. Provide certified anchor bolt verification drawings to the Construction Manager for review prior to steel erection.
17. Equipment bases and foundations shall be the responsibility of the Contractor providing the equipment.
18. Asphalt concrete paving and portland cement concrete paving, sidewalks and curbs shall be provided by others.
19. All concrete testing will be completed by the Construction Manager, however, it will

be the responsibility of this Contractor to furnish all samples.

20. Provide off-site disposal of all unsuitable excavated materials.
21. Provide specified sloping for floor drains/trenches in kitchen, showers, as detailed (Drains to be furnished by Mechanical Contractor.)
22. This Contractor shall include the finishing of concrete slabs around all floor penetrations throughout the floor slab areas. These penetrations will consist of electrical boxes, stubbed conduits, mechanical piping and electrical and technology conduit stubs, etc.
23. This Contractor shall provide written documentation that all concrete slabs are within the tolerance required by the contract documents. Testing and analysis to be paid for by this Contractor.
24. Provide in the base bid \$5,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-3 MASONRY

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 042113	Unit Masonry Assemblies
Section 071113	Bituminous Dampproofing
Section 072100	Thermal and Sound Insulation
Section 079200	Joint Sealants

BSA+A Specifications

Section 042000	Unit Masonry
Section 072100	Thermal and Acoustic Insulation
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide concrete masonry units, face brick, mortar and grout, reinforcing steel, masonry joint reinforcement, ties and anchors, embedded flashing, miscellaneous masonry accessories, and related work.
2. Provide rigid insulation in the masonry wall cavities. Include sealing all penetrations in the insulation with expansion foam prior to installing brick.
3. Provide integral masonry flashings, expansion joints, insulation and other related items as required.
4. Provide caulking of masonry to masonry and to dissimilar materials.
5. Mock up as required. This Contractor will be responsible for demolition, removal and disposal of the mock-up when it is no longer required.
6. Grouting of door frames at masonry openings.
7. Provide weather protection and temporary heat as required to perform the work and maintain the project schedule.
8. Scaffolding as required to complete the work.

9. Dewatering of work areas after acceptance from the Concrete Subcontractor until reacceptance by the Concrete Subcontractor.
10. Layout of the work including responsibility for all elevations and dimensions as they affect other Contractor's work.
11. Provide masonry lintels either required by this Contract or install loose lintels furnished by others. This shall include attaching the loose lintels to the structure with bolts, fasteners, welding, etc. This Contractor will review the mechanical, plumbing and electrical drawings to determine the quantity and location of lintels that will be required where these utilities pass through masonry walls. This Contractor will coordinate with the Mechanical, Plumbing and Electrical Contractors to establish the layout and elevations before installing lintels.
12. Fill at hollow concrete masonry units.
13. Furnish and install reinforcing steel in block walls.
14. Provide bituminous dampproofing.
15. Temporary protection for final wash down/cleaning of masonry.
16. Flashing Summary:

Thru wall and cavity flashing below the roof line shall be by the Masonry Contractor.
Thru wall and cavity flashing above the roof line shall be by the Roofing Contractor.
17. Cutting, fitting and building into masonry work, embedments provided by others.
18. Provide all firesafing and fire caulking as required. Work related to masonry work.
19. Bond beams including reinforcing and fill.
20. Furnish and install all masonry veneer anchors where required.
21. Grout all CMU blocks where supplemental steel brace and angles are to be attached to the CMU walls. The exact location must be coordinated with the Structural Steel Contractor.
22. The Masonry Subcontractor will be responsible for the disposal of masonry debris offsite.
23. Grout solid the existing CMU jambs where new door frames are to be installed.

26. Patch existing CMU walls where demolition was performed as shown on the architectural, mechanical, plumbing and electrical drawings. This includes tothing-in new masonry with existing masonry to ensure a consistent and workmanlike appearance.
27. Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-04 STRUCTURAL STEEL & MISCELLANEOUS METALS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

None

BSA+A Specifications

Section 051200	Structural Steel Framing
Section 052100	Steel Joist Framing
Section 053100	Steel Decking
Section 055813	Column Covers

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide structural steel, steel joists, and metal roof decking.
2. Furnish anchor bolts and leveling plates to the Concrete Contractor for placement in concrete piers.
3. Field check all anchor bolts prior to beginning erection.
4. Provide roof sump pans, sump plates, and related work.
5. Framing out for openings (roof drains, mechanical openings, access hatches, ladders, etc.). Assume opening frames will be field installed. All openings greater than 12 inches shall be reinforced with angle framing according to details on the structural drawings.
6. Prime paint systems, galvanizing, and related finishing of steel items, including touch up.
7. This Contractor shall fabricate, weld and install all reinforcing anchors that connect the structural steel to the masonry systems. Provide all shop fabrication, a field installation and field welding regardless of the weld symbols.
8. All steel testing will be the responsibility of the Construction Manager, however, this Contractor will cooperate with the testing agency in the inspection at the fabrication

shop and in the field.

9. No electrical power for welders will be provided.
10. Provide temporary shoring of existing steel on column line EC as shown on the structural drawings. The Structural Steel Contractor will be responsible for removing the existing columns and beams on column line EC, after the temporary shoring is in place. Provide temporary shoring design signed and sealed by a Professional Engineer as required by the Contract Documents.
11. Provide patching of existing metal roof deck where existing mechanical and plumbing equipment is being removed. Also patch the existing metal roof deck where new mechanical equipment, frames, post, etc. are being installed.
12. Modify and reinforce the existing bar joists as shown on the drawings.
13. This Contractor shall include all necessary staging, rigging, matting and remobilizations to accommodate the erection sequence.
14. Furnish loose steel lintels, angles, plates and embedded items to the Concrete and Masonry contractors.
15. Furnish pipe bollards to Sitework Contractor for installation.
16. Provide W8 beams and outriggers for the Sliding Glass Walls in the cafeteria. See Section 7 on S201.
17. Provide W8 beams and continuous channel for the Vertically Retracting Folding Door in the kitchen. See Section 8 on S201.
18. Provide 14" x 14" x 3" bent steel plates in knee walls per detail 8A on DALLC drawing A8.3.
19. Provide stainless steel column covers.
20. Miscellaneous rough hardware, iron shapes, framing and support angles.
21. Galvanizing, as required.
22. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.
23. Verify field dimensions.
24. Provide in the base bid \$10,000 allowance for work as directed by the Construction

Manager.

CONTRACT NO. B-05 CARPENTRY AND GENERAL WORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 024119	Selective Demolition
Section 061053	Miscellaneous Rough Carpentry
Section 062023	Interior Architectural Carpentry
Section 066400	Plastic Paneling
Section 079200	Joint Sealants
Section 081113	Steel Doors and Frames
Section 081416	Flush Wood Doors
Section 083513	Accordion Folding Doors
Section 087100	Door Hardware
Section 088300	Mirrors
Section 101415	Signage
Section 102113	Toilet Compartments
Section 102226	Operable Partitions
Section 102800	Toilet, Bath, and Laundry Accessories
Section 104413	Fire Protection Cabinets
Section 104416	Fire Extinguishers
Section 105113	Metal Lockers
Section 124940	Roller Window Shades

BSA+A Specifications

Section 024113	Selective Demolition
Section 061053	Miscellaneous Carpentry
Section 074243	Composite Wall Panels
Section 081113	Hollow Metal Doors and Frames
Section 081416	Flush Wood Doors
Section 083300	Coiling Fire Shutters
Section 087100	Door Hardware
Section 097710	Framed Decorative Panel Systems
Section 101100	Visual Display Units
Section 102113	Toilet Compartments
Section 102239	Vertically Retractable Wall
Section 102800	Toilet, Bath, and Laundry Accessories
Section 104413	Fire Protection Cabinets
Section 122413	Roller Shades

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide labor and materials to perform the work related to all carpentry and general work.
2. Provide all rough carpentry related to the exterior skin of the building including wood nailers, blocking, plywood, roof blocking, roof blocking anchor bolts, rooftop equipment bases and support curbs, etc. including fire treating, as required.
3. Provide all rough carpentry related to the interior of the building including blocking, wood nailers, etc. for the installation of fire extinguishers, doors, windows, toilet accessories, cabinets, toilet partitions, casework, millwork, etc. including fire treating, as required.
4. All field trimming required to adjust to existing conditions.
5. Provide all millwork and wood trim. Provide caulk between the millwork and trim and the adjacent surfaces.
6. Provide steel doors and frames and flush wood doors including receipt of doors and frames at the curb side.
7. Furnish and install finish hardware related to all doors, except aluminum. Furnish only finish hardware related to the aluminum doors. The Windows, Storefront, and Glazing contractor will install.
8. Provide construction cores.
9. Provide plastic paneling
10. Provide accordion folding doors. Provide additional supports for doors per manufacturer's requirements. Coordinate with structural drawings.
11. Provide mirrors
12. Provide signage
13. Provide toilet compartments
14. Provide operable partitions. Provide additional supports for partition per manufacturer's requirements. Coordinate with structural drawings.
15. Provide toilet, bath, and laundry accessories

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16. Provide fire protection cabinets, fire extinguishers and accessories.
 17. Provide metal lockers with 4" concrete bases.
 18. Provide roller window shades.
 19. Provide composite wall panels at the existing openings where the mechanical systems were demolished on the roof above the cafeteria.
 20. Provide coiling fire shutters.
 21. Provide framed decorative panel systems.
 22. Provide visual display units.
 23. Provide vertically retractable wall. Provide additional supports for wall per manufacturer's requirements. Coordinate with structural drawings.
 24. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.
 25. This Subcontractor shall at a minimum provide and maintain for the length of the project, one temporary fire extinguisher for each 3,000 sq. ft of the protected building area. Fire extinguishers shall be 10lb, Multi-Purpose (ABC) dry chemical, UL labeled, with a rating of 3a:40bc.
 26. Coordinate card reader requirements with electrical hardware.
 27. Provide field assistance to Electrical Contractor during the installation of any and all electrical hardware.
 28. Provide in the base bid \$25,000 allowance for work as directed by the Construction Manager.
 29. Provide all labor, material, trucking, equipment, hoisting, scaffolding, power, temporary facilities, supervision, layout, clean up, etc. for the complete performance of all selective demolition work as described and detailed on the drawings.
 - a. Contractor will be required to provide adequate control of dust and debris during selective demolition.
 - b. Remove from site all combustible material including, but not limited to wood, steel, iron, structural steel, and dispose of in a legal manner. No on site burning of material will be allowed at any time.

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- c. Items of demolition shall include, but not necessarily be limited to, complete structures, wall framing, masonry walls, concrete slabs on grade, structural steel (except for the steel assigned to the Structural Steel Contractor), interior partitions, roofing, mechanical and electrical equipment and fixtures, and related equipment.
 - d. This Contractor shall notify the Construction Manager immediately if hazardous materials (i.e. asbestos, lead, PCB's, etc.) are uncovered. At that time, all work in the affected area will be stopped until proper removal can be completed by others (i.e. hazardous material abatement contractor).
 - e. Temporary maintenance standby labor such as for temporary water, temporary power, temporary light and the like where required due to this Contractor's work is to be included within the Contract Price.
 - f. This Project is to be constructed adjacent to existing buildings, this Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing buildings in the area.
 - g. This Contractor shall clean public streets and sidewalks daily. This Contractor shall collect and remove from the site daily all rubbish, scrap and other debris resulting from its operations.
 - h. All light, power, water and any other utilities, including special provisions for hookups to same for this Contractor's operations will be provided by this Contractor within the Contract Price and unit prices.
 - i. This Contractor shall comply with all Federal, State and local laws requiring noise control and hours which work is to be conducted. Mufflers, "whisperized" compressors, etc., shall be used as required for compliance with laws and ordinances throughout the course of the Work.
 - j. It is understood that all Work under this Contract shall be in strict accordance with the Building Code with the City, State and any other agency having jurisdiction. In the event of any conflict in any provisions of any regulatory agency and Contract Documents, the more stringent requirements shall apply.
 - k. This Contractor is aware of the structural capacities of various portions of the structure. Cranes, materials, deliveries and material storage, shall not exceed rated capacities without this Contractor taking appropriate steps to compensate for the imposition of loads which may exceed the design criteria and which are imposed solely by this Contractor's operations.
 - l. This Contractor shall provide any and all "fire watch" personnel required due to

the Contractor's cutting, burning, welding or other open flame activity.

- m. This Contractor shall submit proposed methods and operations of building demolition to the Owner, his representative or agents for review prior to the start of work, including a schedule of coordinating the shut off, capping and/or continuation of utility services as required.
- n. This Contractor shall visit the site of the proposed work, fully acquaint and familiarize himself with the conditions as they exist and the character of the operations to be carried out under the proposed Contract, and make such investigation as he may see fit so that he shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize himself with all conditions which might affect the work shall not be allowed.
- o. This Contractor, before commencement of any part of the Work, shall give any notices, required to be given to an adjoining landowner and other parties.
- p. This Contractor, in the performance of the Work under his subcontractor, shall maintain all required means of egress from the existing buildings and alter such stairs, platforms and fire escapes as required to satisfy all agencies having jurisdiction.
- q. Before demolition work is started, existing sewer, water, gas and other service lines to the existing buildings shall be shut off, disconnected and capped or plugged in accordance with the requirements of the utility companies or other authorities having jurisdiction. This Contractor shall notify all such authorities in advance and obtain their approval and cooperation in shutting off utilities. All costs in connection with disconnecting utilities shall be borne by this Contractor.
- r. This Contractor shall take special precautions to shore, brace, support or relocate any utility lines as may be required to satisfy all agencies having jurisdiction.
- s. Any existing piping, subsoil drainage systems, conduit, manholes, tanks, catch basins, etc., which are abandoned shall be plugged with concrete and to the extent within or beneath the limits of excavation, removed. All others are to be maintained and repaired or otherwise restored to proper operating condition.
- t. Existing services to remain will be defined by the Owner prior to or immediately after the start of demolition work.
- u. This Contractor shall make a careful examination of the structures to be demolished and the adjoining property and utilities which are to remain; take

whatever precautions are necessary and carry on operations so as to prevent personal injury and any settlement, collapse, damage from falling debris or other causes to adjacent building.

- v. Any damage to public property, private property, or to utilities due to demolition operations, or the Contractor's neglect, shall be corrected by this Contractor, in a manner approved by the Owner and the parties whose property has been damaged, all at no additional cost to the Owner.
- w. Miscellaneous equipment and furnishings belonging to the Owner, if to be retained by the Owner, will be removed before the commencement of the demolition work. All other equipment or furnishings attached, remaining, in the building at the start of the demolition work shall become the property of this Contractor and shall be removed and disposed of by this Contractor.
- x. All equipment, materials and debris shall be regularly removed by this Contractor from the Site as work progresses in such manner as not to create a nuisance, and shall be disposed of by this Contractor at his own expense, at locations to be determined by this Contractor. Permits required in connection with the disposal of the materials shall be obtained by this Contractor. Disposal shall be in accordance with all Federal, State and local laws, rules, codes, orders and regulations.
- y. Materials and equipment to be salvaged or which have been sold to others by this Contractor must be promptly removed by this Contractor, and shall not be stored at the site. The offering, advertising, display or sale of materials and equipment will not be permitted.
- z. This Contractor shall, prior to the start of Work, provide the name and location of proposed dump site to receive the demolition debris. Dump site must be licensed and acceptable to all local government agencies having jurisdiction. This Contractor shall provide signed and stamped dump site debris tickets identifying the location, date, time and quantity of debris deposited at the dump site.

CONTRACT NO. B-6 – CASEWORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 024119	Selective Demolition
Section 123450	Educational Casework
Section 123653	Epoxy Resinous Countertops
Section 123661	Simulated Stone Countertops

BSA+A Specifications

Section 123200	Modular Casework
Section 123200A	School Store Furnishings

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all plastic laminate, plastic laminate/glass, solid oak and oak/glass casework and related accessory items as specified and/or indicated on the drawings. Casework includes all hardware, storage components, accessory items, closure, fillers, and framing necessary for a complete installation.
2. Provide stainless steel counters, cabinets and equipment.
3. Provide modular casework, stainless steel base and stainless steel supports.
4. Provide school store furnishings: wood slatwall, cashier station, display fixtures, shelving, accessories, etc.
5. Provide epoxy resinous countertops, back and end splashes, and integral resin sinks.
6. Provide simulated stone countertops, wall caps, window stools and window sills.
7. Provide keyed locks on all casework cabinets and doors.
8. Provide wood grounds, blocking, nailers, and furring as required for work of this Contract. This is the blocking mounted to the outside of the walls, ceilings, or floors as needed to properly support and install the millwork and casework.

9. Drilling concrete and masonry, drilling and/or tapping metal work, as required, for the installation of work of this Contract.
10. Back painting as required
11. Cutting of holes in countertops will be by this Contractor. Coordinate cutting holes in casework with other trades.
12. Shop finish of work, except items indicated to be shop primed only.
13. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.
14. Provide mock-ups.
15. This Contractor shall include in the base bid \$10,000 for miscellaneous work to be directed by the Construction Manager.

CONTRACT NO. B-07 ROOFING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 075400	Thermoplastic (TPO) Membrane Roofing
Section 076200	Sheet Metal Flashing and Trim
Section 077200	Roof Accessories

BSA+A Specifications

Section 075310	EPDM Membrane Roofing
Section 076200	Sheet Metal Flashing and Trim

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide thermoplastic (TPO) membrane roofing system, fully adhered sheet vapor retarder, rigid and tapered insulation, protection mat, and all related accessories.
2. This contractor shall carefully review the edge of roof details to determine if the roof can be placed before the exterior wall assembly is complete. This contractor shall include all costs associated with returning to the jobsite to complete the roof perimeter after wall assembly is complete.
3. Provide aluminum fascia and soffit covers.
4. Provide caulking and sealants related to roofing, flashing and roof accessories.
5. Roof drains and associated plumbing shall be provided by the Mechanical Contractor. Flashing of the roof drains shall be by the Roofing Contractor. Openings for the roof drains in the roofing materials shall be cut by the Roofing Contractor. Openings in the metal deck shall be cut by others.
6. Provide metal parapet coping.
7. Provide walkway pads.
8. Provide gutters, downspouts, and splash pans.

9. Provide insulated acoustic smoke vents and roof curbs.
10. Perform cutting, patching and maintenance of temporary patch for work performed by others on existing roofs intended to be re-roofed as part of this work.
11. Provide metal drip edges and gravel stops.
12. Provide expansion joints that are integral to the roof.
13. Provide permanent patching of existing roofing systems at areas of demolition. Demolition of roof drains, mechanical and electrical equipment shall be performed by others. All patching shall conform to original warranty requirements and documents.
14. Wood blocking shall be provided by others.
15. This Contractor shall include in the base bid \$20,000 for miscellaneous work to be directed by the Construction Manager.
16. Flashing Summary:
 - Masonry Contractor shall furnish and install thru wall flashing at all masonry walls. Provide flashing with integral receiver for counterflashing where specified. The Masonry Contractor will furnish the counterflashing to the Roofing Contractor for installation.
 - Roofing Contractor shall furnish reglets for installation by the Masonry Contractor. The counterflashing for these reglets will be installed by the Roofing Contractor.
17. The demolition of the existing roofs shown on DALLC's drawings and at the connection of the kitchen addition is the responsibility of contract B-7 Roofing.

CONTRACT NO. – B-08 WINDOWS, STOREFRONTS, AND GLAZING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 084113	Aluminum-Frames Entrances and Storefronts
Section 087100	Door Hardware
Section 088000	Glazing

BSA+A Specifications

Section 084113	Aluminum-Framed Entrances / Storefronts & Doors
Section 084126	All-Glass Entrances and Storefronts
Section 085113	Aluminum Windows
Section 087100	Door Hardware
Section 088000	Glazing
Section 102239.13	Folding Glass-Panel Partitions

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide aluminum framed entrances, storefronts, windows, glass and glazing systems.
2. Provide automatic aluminum door systems, including hardware.
3. Provide folding glass-panel partitions.
4. Prepare and install finish hardware for all aluminum doors. The hardware will be furnished by Contract B-05 Carpentry & General Works.
5. Provide all glass and glazing at exterior of building.
6. Provide interior glass and glazing systems, interior door, partition, vision panel and window glass. Include fire rated glazing as required.
7. Provide caulking or sealants integral/within and along the perimeter of windows and storefronts to adjoining materials.

8. Mock-ups as required by the Drawings and Specifications.
9. Provide custom breakmetal trim and infill.
10. Hoisting/scaffolding related to the work of this Contract.
11. Coordinate edge of slab tolerances and field verify all rough openings.
12. The existing windows shown to be replaced will be removed and disposed of by the Asbestos Abatement Contractor in the performance of their work. They will install plywood covers in the window openings when they are finished their abatement. The Window Contractor will be responsible for removing and disposing of the plywood covers in the performance of their work.
13. This Contractor shall include in the base bid \$10,000 for miscellaneous work to be directed by the Construction Manager.

CONTRACT NO. B-09 METAL FRAMING & DRYWALL

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 072100	Thermal and Sound Insulation
Section 078446	Fire-Resistive Joint Systems
Section 079200	Joint Sealants
Section 092216	Non-Structural Metal Framing
Section 092900	Gypsum Board

BSA+A Specifications

Section 072100	Thermal and Acoustic Insulation
Section 079200	Joint Sealants
Section 092216	Non-Structural Metal Framing
Section 092900	Gypsum Board

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide metal studs, insulation, gypsum wallboard, taping, and spackling.
2. Provide all metal stud framing required to back up brick, metal soffits, etc.
3. Provide ceiling joist framing.
4. Provide metal furring.
5. Provide secondary support framing.
6. Provide clips, anchors, supports and other accessories that interface between steel framing and steel studding or CMU block.
7. Provide batt insulation, both thermal and acoustical and related work.
8. Provide acoustical sealant of penetrations in insulated drywall partitions.
9. Access panel installation (assume 25 total).

10. Provide batt insulation, both thermal and acoustical and related work.
11. Provide fire resistive joint systems at metal stud walls. Include fire taping and sealing at perimeter edge and as shown on the Drawings. Bidders are advised to pay particular attention to top of wall conditions, fire and smoke safing of slabs and acoustical sealants.
12. Provide scaffolding and lifts for this work.
13. Comebacks and out-of-sequence work will be required and as such should be included.
14. Include all necessary field measurements.
15. Include two (2) passes per floor to "touch-up" mechanical penetrations to insure ratings required. The first pass will be required prior to ceiling grid installation and the second pass will be required prior to final inspection for Certificate of Occupancy.
16. Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.
17. Provide all metal framing as indicated for back up of other materials.

CONTRACT NO. B-10 PAINT AND WALL FINISHES

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 079200	Joint Sealants
Section 099113	Exterior Painting
Section 099123	Interior Painting

BSA+A Specifications

Section 079200	Joint Sealants
Section 099100	Painting

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all interior and exterior painting for all walls and ceilings indicated on the finish schedules.
2. Sealing all interior joints between dissimilar materials that require sealants.
3. Paint all exposed block work and concrete work as shown on the room finish schedule.
4. Provide prime, stain and transparent finish on wood trim.
5. Paint exposed piping and ductwork (sprinkler, plumbing, electrical) in accordance with the Drawings and Specifications.
6. Provide supplementary ventilation as required in enclosed spaces.
7. Paint and caulk all hollow metal frames and doors as shown on the door schedule.
8. Prefinished items will not be painted by this Contractor.
9. Paint all semi-exposed wood blocking as indicated on the drawing.
10. Protection of adjacent surfaces.

11. Minor patching prior to application of finishes.
12. Daily clean up.
13. Furnish attic stock.
14. Final coat of paint is to be installed after ceilings are installed, if directed by Construction Manager.
15. Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-11 – ACOUSTICAL CEILINGS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 095123	Acoustical Tile Ceilings
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BSA+A Specifications

Section 095000	Wood Panel Ceilings
Section 095113	Acoustical Panel Ceilings
Section 097723	Fabric-Wrapped Panels

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide acoustical panel ceilings, suspension system and hangers.
2. Provide wood panel ceilings, suspension system and hangers.
3. Provide acoustical lay in insulation blankets above ceiling where required by Specifications or Drawings.
4. Provide supplemental suspension hangers at large ducts above ceilings and at openings for lighting fixtures.
5. Provide continuous acoustical sealant on back of vertical leg before installing moldings.
6. Furnish and install hold down clips where required by governing regulations for fire resistant ratings.
7. Provide expansion joints in ceilings.
8. This Contractor shall cut openings in ceilings for sprinkler heads, lights, mechanical diffusers and grilles, etc.
9. Provide fabric wrapped acoustic wall panels
10. Provide extra stock.

11. Provide in the base bid \$20,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-12 - TERRAZZO FLOORING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

None

BSA+A Specifications

Section 096623	Resinous Matrix Terrazzo Flooring
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This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide thin set epoxy terrazzo flooring
2. Conduct concrete moisture testing prior to installing terrazzo flooring.
3. Provide concrete surface preparation to include vacuum blasting, crack sealing, etc.
4. Provide terrazzo flexible reinforcing membrane before installation of terrazzo flooring
5. Provide precast terrazzo wall base.
6. Cutting and fitting around work installed by others.
7. Patching and leveling.
8. Clean and seal terrazzo in accordance with the instructions of the terrazzo sealer manufacturer after installation and finishing operations are completed and before protection.
9. Provide protection of finished products until acceptance by Construction Manager.
10. Provide divider strips, control strips, expansion-joint strips, abrasive strips, and accessory strips.
11. Apply Masterguard MVR1 moisture resistant epoxy primer to all slabs receiving terrazzo.

12. Provide an 8'-0" diameter logo based using a maximum of 6 colors.
13. Grind and clean the existing terrazzo to remain shown on drawing A-131 and seal the terrazzo.
14. Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-13 – EPOXY FLOORING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 096723	Resinous Flooring
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BSA+A Specifications

Section 096723	Resinous Flooring
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This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide resinous flooring
2. Conduct concrete moisture testing prior to installing resinous flooring.
3. Provide concrete surface preparation to include vacuum blasting, crack sealing, etc. Existing substrates which have been contaminated by oils or other substances which would inhibit the bonding of overlayment shall receive one coat of penetrating primer immediately prior to application of the standard concrete primer.
4. Provide integral resinous wall base.
5. Cutting and fitting around work installed by others.
6. Patching and leveling.
7. Where resinous floors abut other flooring materials, scarify or build up the substrate for a minimum of 36 inches back from that interface, so that the finished resinous surface will align with the other material. A maximum slope of 1:48 is allowed
8. Provide clean and protect finished products until acceptance by Construction Manager.
9. Provide divider strips, control strips, expansion-joint strips, and accessory strips
10. Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-14 – CARPET, VCT & CERAMIC TILE

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 093000	Tiling
Section 096513	Resilient Base and Accessories
Section 096519	Resilient Tile Flooring
Section 096816	Sheet Carpeting

BSA+A Specifications

Section 093000	Tiling
Section 096513	Resilient Base and Accessories
Section 096519	Resilient Tile Flooring
Section 096563	Static Control Resilient Tile Flooring
Section 096813	Carpet Tile

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide flooring in accordance with the finish schedule and specifications.
2. Prepare subfloor for finished flooring including leveling and patching. Base bid shall include all flashing, patching, and surface preparation required to perform the work of this Contractor.
3. Provide porcelain wall tile, metal edge strips, grout, and marble thresholds
4. Provide tile carpeting.
5. Provide resilient tile and static control resilient tile flooring.
6. Provide resilient base and accessories, to include the toe kicks at casework.
7. Provide transition and reducer strips in the various materials and locations as scheduled on the drawings.
8. Provide concrete primer/sealer prior to installation of flooring

9. Provide cleaning, waxing and protection. Protection will be with reinforced kraft paper, cardboard, or masonite.
10. Provide seaming diagrams.
11. Provide extra stock.
12. Provide cutting and fitting around work of others.
13. Remove and store the Sport Court modular athletic flooring in the Auxiliary Gym Room 4130 as shown on A-103. After the cafeteria is complete and the temporary serving line removed, reinstall the modular athletic flooring and re-paint the court lines on the floor.
14. Provide skim coating of CMU in order to prepare the new or existing walls to receive ceramic tile.
15. Provide in the base bid \$5,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-15 FOOD SERVICE EQUIPMENT

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

None

BSA+A Specifications

Section 114000 Food Service Equipment

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide food service equipment.
2. All final connections shall be made by the Electrical and Mechanical Contractors.
3. Any discrepancies between the Drawings, Specifications and site conditions or ambiguities in the documents shall immediately be reported to the Construction Manager in writing. Inconsistencies shall be corrected in writing or by reissuing the drawings. If the Contract Documents disagree with the quality or quantity of work required, the better quality or greater quantity shall be supplied unless otherwise instructed in writing by the Construction Manager. Any work performed by the Contractor at locations in question after his discovery of discrepancies, inconsistencies, ambiguities, or errors, without securing resolution, shall be at the Contractor's risk.
4. This Contractor shall verify all measurements at the site and assume full responsibility for their correctness before proceeding with his work. No extra compensation will be allowed because of differences between site conditions and those indicated on the drawings.
5. Manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as directed by the manufacturer and shall be protected from damage until acceptance. Prefinished products which are damaged before or after installation shall be replaced with new and perfect materials. Materials finished after installation which are damaged shall be refinished or replaced as the Construction Manager may direct. No additional charge will be honored by the Construction Manager for repair or replacement of finished

materials.

6. Should this Contractor feel that the Contract Documents call for work which he cannot guarantee, he shall so state, in writing, prior to bidding. Proceeding with any operation shall be construed as acceptance of all guarantee conditions.
7. Secure certificates of inspection and occupancy required by authorities having jurisdiction. Deliver copies of certificates to the Construction Manager prior to filing application for final payment.
8. It is this Contractor's responsibility to make certain statutes, building codes, and regulations including those of the appropriate health agencies having jurisdiction over this type of facility are met.
9. Any items furnished as part of this Scope of Work that require mechanical or electrical rough ins or services that are different from those shown on the Contract Drawings shall be so noted at the time of bid. Failure to do so shall make this Contractor liable for costs of any changes required by same.
10. Provide all caulking and sealants for proper installation and in accordance with public health regulations.
11. Start, test and demonstrate all equipment installed under this category of work. Provide proposed schedule, including names and telephone numbers of attending representatives (3) three weeks in advance of demonstration.
12. Obtain approvals and permits and coordinate inspections and testing with governing local and state agencies.
13. The renovation of the existing kitchen and setup of the temporary serving line must be completed before teachers return for the new school year. The material for the renovation work is to be purchased and delivered as soon as possible and stored at the site. Long lead material and equipment are to be expedited. Contractors are expected to work 10 hour days. Saturday work may be required if the schedule dictates.
14. Provide in the base bid \$5,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-16 - MECHANICAL AND PLUMBING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 078413	Fire Protection, HVAC & Plumbing Penetration Firestopping
Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 312000	Earth Moving

BSA+A Specifications

Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete mechanical, plumbing and piping system as indicated on the Drawings and in the Specifications.
2. Division 26 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters as provided in the specifications.
3. This Contractor shall be responsible to designate an individual within his organization, intimately familiar with this project and assigned on site, to act as the System Start-up Coordinator. This individual must be pre-approved by the Construction Manager. This individual's responsibilities shall include, but not be limited to, coordinating the start-up of all mechanical equipment, including the coordination between the Electrical Contractor, the Controls Contractor, and all testing, adjusting and balancing work. This individual shall report on a weekly basis, in written form, to the Construction Manager. These reports shall include a summary of current conditions including manufacturers' start-ups, systems' deficiencies noted to date and the remediation of same, coordination issues between trades, system interfacing and forecasting, as necessary to project the completion of each individual system within the building.

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4. Excavation and backfill for underground mechanical/plumbing work as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with project documents. It is the intent to use on site material and not imported fill. The use of this on site material shall conform to the compaction requirements as specified on the Civil drawing and in specification section 312000.
 5. Provide equipment bases and foundations for the VSD screw chiller and the other equipment in the building.
 6. Obtain permits as required by Kent County.
 7. Contract B-21 Sitework Contractor will be installing the grease trap. The Mechanical and Plumbing Contractor is responsible for connecting the 4" kitchen drain to grease trap and for connecting the 4" sanitary line to the 6" sanitary line shown on the Civil drawing.
 8. Provide pipe sleeves and seals at all pipes, installed by this contractor that will be penetrating foundation walls.
 9. Provide pipe, duct and equipment insulation.
 10. Penetrations through wall, floors, etc. including cutting, patching and fire safing.
 11. Daily clean up.
 12. All guarantees and warranties to begin at the substantial completion of the entire project, regardless of when the equipment was delivered, installed and started up. Maintain equipment prior to substantial completion.
 13. Provide hoisting, rigging and scaffolding.
 14. Provide ductwork, flex duct, grilles, registers, and diffusers.
 15. Provide roof drains, roof sumps, and associated plumbing. Flashing of the roof drains shall be by the Roofing Contractor. Openings for the roof drains in the roofing materials shall be cut by the Roofing Contractor. Openings in the metal decks shall be cut by the Mechanical and Plumbing Contractor.
 16. The Automatic Temperature Control Contractor, The Tri-M Group, will be providing the ATC system as detailed in the scope of work for Contract B-19. The Mechanical and Plumbing Contractor provide the following as they relate to the ATC system:
 - a. Furnish and install Variable Refrigerant Flow System
 - b. Furnish and install all air handlers, rooftop units, boiler, pumps, exhaust fans, heaters, VAV's, valves, actuators, dampers, etc.

- c. Install ATC valve, actuators, and dampers.
 - d. Install Variable Refrigerant Flow System, Area D, inline fans and dampers.
 - e. Furnish and install air flow measurement devices
- 17. Coordinate damper size, location and type of damper with architectural drawings.
 - 18. Provide gas piping, meter and pressure regulator valve.
 - 19. Provide electric fin radiators and electric heaters.
 - 20. Provide trap priming system.
 - 21. Provide water treatment systems.
 - 22. Provide vibration and sound isolation controls for mechanical and plumbing systems
 - 23. Provide roof curbs.
 - 24. Install Owner pre-purchased equipment.
 - 25. Provide access panels.
 - 26. Final connection of food service equipment.
 - 27. Provide manufacturer's startups from manufacturer authorized personnel ONLY.
 - 28. Provide training to Owner prior to substantial completion
 - 29. Provide joint sealers & caulking of work installed under this contract
 - 30. Provide testing and inspections as required by the specifications.
 - 31. Provide temporary heat and ventilation installation, maintenance and removal. Refer to Division 1, Specification Section 015123 - TEMPORARY HEATING, COOLING, & VENTILATION, for specific scope.
 - 32. Attend Pre-Install, Functional Performance Testing, Start-up, and MEP coordination meetings and provide relative input. Provide personnel, both tradesmen and factory authorized representatives, to participate in the testing, adjusting, and balancing; functional performance testing; and final commissioning.
 - 33. This contractor will be responsible for disconnecting and safing off the existing mechanical and plumbing systems prior to any demolition work performed by Contract B-05 Carpentry and General Work.

34. This contractor will be responsible for the demolition, removal and replacement of the concrete slab associated with the removal of existing underground sanitary and storm sewer and with the installation of new sanitary, storm sewer, and kitchen drain in the existing areas.
35. Provide downspout boots on rainwater conductors where indicated.
36. This contractor will be responsible for the demolishing and opening up the existing walls in order to perform the work shown on the mechanical and plumbing drawings.
37. Provide for freezing of the existing pipes to make connections to the existing piping systems. Assume that the existing valves will not operate.
38. Provide in the base bid \$25,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-17 - FIRE PROTECTION

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 078413	Fire Protection, HVAC & Plumbing Penetration Firestopping
Section 210170	Fire Suppression Sprinkler Systems
Section 220000	General Provisions - Plumbing/Fire Protection

BSA+A Specifications

Section 210170	Fire Suppression Sprinkler Systems
Section 220000	General Provisions - Plumbing/Fire Protection

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide piping, fittings, couplings, valves, backflow preventer, and sprinkler heads.
2. Provide dry pipe system where shown on the drawings.
3. Provide firestop and smoke seals of all penetrations.
4. Provide as-built drawings in CAD/BIM format
5. Testing and inspections.
6. Cutting and patching.
7. Design.
8. Flow and tamper switches to be supplied by this Contractor and wired by the Electrical Contractor. It is this Contractors responsibility to provide flow and tamper switches to meet applicable state and local codes.
9. Pipe identification.
10. Provide the necessary coordination with trade to avoid interferences with other work and make corrections at no extra charge.

11. Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-18 – ELECTRICAL, FIRE ALARM, & SPECIAL SYSTEMS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 078413	Fire Protection, HVAC & Plumbing Penetration Firestopping
Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 312000	Earth Moving

BSA+A Specifications

Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 312000	Earth Moving

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete electrical system as indicated on the drawings, schedules and in the specifications.
2. Divisions 22 and 23 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters and controllers as detailed in the Specifications and on the Drawings.
3. Excavation and backfill for underground electrical work as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with project documents. It is the intent to use on site material and not imported fill. The use of this on site material shall conform to the compaction requirements as specified on Civil drawings and in specification section 312000.
4. Temporary electric installation, maintenance and removal. Refer to Division 1, specification section 015113 - TEMPORARY ELECTRIC, for specific scope.
5. Provide rough-in and final connections and related work for equipment provided under other contracts (i.e. kitchen, HVAC, sprinkler, motorized doors, greenhouse,

owner furnished equipment, etc.). Provide power to automatic hardware. Low voltage wiring from the controller to hardware shall be provided by the Doors, Frames and Hardware Contractor.

6. Obtain permits as required by Kent County
7. Penetrations through walls, floors, etc. including sleeves, link seals, cutting, patching and fire safing.
8. Daily clean up.
9. All guarantees and warranties to begin at the substantial completion of the entire project. Maintain equipment prior to substantial completion.
10. Provide hoisting, rigging and scaffolding.
11. Provide fire alarm devices that are extension of the existing fire alarm system. Water flow devices are supplied and installed by the Sprinkler Contractor and wired by this Contractor. Include tie-in to fire sprinkler flow and tamper switch. Work on the fire alarm system must be done by Advantech Inc.
12. Provide heat tracing.
13. Provide grounding of building columns and interior spaces as required.
14. Provide vibration controls for electrical systems
15. Provide transient voltage suppression.
16. Provide conduits, raceways, boxes, and pull strings for network cabling systems, telephone and data systems. The wiring must be done by a subcontractor that is DCET certified.
17. Provide cafeteria sound reinforcement system.
18. Provide conduits, raceways, boxes, and pull strings for security system. The wiring and devices will be installed by others
19. Provide 120 VAC power circuit and circuit breaker for the automatic temperature control (ATC) field junction boxes. The ATC Contractor will provide installation of 120 VAC power wiring from 120 VAC panel to each Andover Controls support junction box.
20. Provide access panels in GWB and CMU walls.

21. Attend Pre-Install, Functional Performance Testing, Start-up, and MEP coordination meetings and provide relative input. Provide personnel, both tradesmen and factory authorized representatives, to participate in the testing, adjusting, and balancing; functional performance testing; and final commissioning.
22. Provide testing and inspections as required by the specifications.
23. Provide training to Owner prior to substantial completion.
24. This contractor will be responsible for disconnecting and safing off the existing electrical, fire alarm, and other special systems prior to any demolition work performed by Contract B-5 Carpentry and General Work.
25. Provide in the base bid \$50,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-19 - AUTOMATIC TEMPERATURE CONTROLS (TRI-M GROUP)

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 230900	Automatic Temperature Control

BSA+A Specifications

Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 230900	Automatic Temperature Controls (DDC)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide labor, material and supervision necessary to install a complete direct digital control system of temperature controls with to control all HVAC Systems, associated components and accessories as described in the "Polytech High School, Additions and Renovations, Bid Pack B, Automatic Temperature Controls Section #230900". All work will be an extension of the school's "Andover" Control System.
2. Provide Service Technician labor to maintain existing Andover Control System operation during construction.
3. Provide Service Technician labor to safely discount, remove or bypass existing Andover Control system to prevent an interruption in the existing systems operation.
4. Furnish the following materials as indicated in Bid Pack B, Automatic Temperature Controls Section #230900:
 - a. Andover I2 Series Controllers with enclosure and support devices
 - b. Temperature sensing devices, current switches, control relays, power supplies
 - c. Carbon Dioxide Sensors
 - d. Make-up water system, chilled and hot water: Control Valve, Actuator, Water flow sensor
 - e. ATC Control Valves
 - f. ATC Control Dampers
 - g. Variable Refrigerant Flow System, Area D, fifteen total: Inline Fan, Damper and Damper Actuator

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5. Provide labor to furnish and install all interconnecting control wiring as identified in the "Polytech High School, Additions and Renovations, Bid Pack B, Automatic Temperature Controls Section #230900". This will include the following systems:
 - a. Fire System "Alarm Contact" integration to Andover Controls.
 - b. Carbon dioxide sensor monitoring and integration to Andover Controls.
 - c. Make-up Water flow monitoring, alarm sensing interconnecting control wiring and integration to Andover Controls.
 - d. Refrigerant Monitoring interconnecting control wiring, monitoring, alarm notification and integration to Andover Controls.
 - e. Ductless Split System interconnecting control wiring and integration to Andover Controls.
 - f. Remote condenser units interconnecting control wiring and integration to Andover Controls.
 - g. Variable Refrigerant Flow (VRF) System interconnecting control wiring and integration to Andover Controls. Includes VRF BAS Interface Panel, VRF condenser unit (s), VRF heat pump (s) communications wiring, and VRF temperature sensor (s).
 - h. Installation of 120 VAC power wiring from 120 VAC panel to each Andover Controls support junction box. Note: Others will provide 120 VAC power circuit and circuit breaker as required.
 6. WORK PERFORMED BY OTHERS:
 - a. The Electrical Contractor will provide 120 VAC power circuit required for each Andover Controls field junction box.
 - b. The Mechanical and Plumbing Contractor will provide manufacture system start up, as required for each system manufacture, for all systems as referenced in this proposal, excluding Andover Controls.
 - c. The Testing, Adjusting and Balancing Contractor will provide Air, Water balancing as required by system requirements.
 - d. The Electrical Contractor will provide unit power for all air handlers, rooftop units, chiller, boiler, pumps, exhaust fans, heaters, etc. as referenced.
 - e. The Mechanical and Plumbing Contractor will furnish and install Variable Refrigerant Flow System as referenced.
 - f. The Mechanical and Plumbing Contractor will furnish and install Variable Refrigerant Flow System with External Contact Relay Module for Area D Variable Refrigerant Flow System.
 - g. The Mechanical and Plumbing Contractor will furnish and install all air handlers, rooftop units, chiller, boiler, pumps, exhaust fans, heaters, VAV's, valves, actuators, dampers, etc.
 - h. The Mechanical and Plumbing Contractor will install ATC valve, actuators, and dampers.
 - i. The Mechanical and Plumbing Contractor will install Variable Refrigerant Flow System, Area D, inline fans and dampers.
 - j. The Mechanical and Plumbing Contractor will provide and install air flow measurement devices

- k. The Electrical Contractor will furnish and install Fire Alarm System devices contacts with auxiliary contact for Andover Building Automation System.
- l. Others will provide Network IP addresses, connection to Polytech network, cabling, and networks jacks as required.

CONTRACT NO. B20 – TESTING, ADJUSTING & BALANCING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 220191	Balancing – Plumbing
Section 230950	Testing & Balancing of Mechanical Systems

BSA+A Specifications

Division 22	Plumbing
Division 23	Heating, Ventilating, & Air Conditioning
Division 26	Electrical
Section 220191	Balancing – Plumbing
Section 230950	Testing & Balancing of Mechanical Systems

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. This Contractor must be certified by AABC, NEBB, or TABB.
2. Perform the testing, adjusting and balancing of the Plumbing Systems to meet optimum performance capabilities within design parameters, sequence of operations and installation limits.
3. Perform the testing, adjusting and balancing of the Air Systems to meet optimum performance capabilities within design parameters, sequence of operations and installation limits.
4. Perform the testing, adjusting and balancing of the Hydronic Piping Systems to meet optimum performance capabilities within design parameters, sequence of operations and installation limits.
5. Perform testing, adjusting and balancing of HVAC equipment to verify quantitative-performance settings.

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6. The TAB Contractor will witness the testing conducted by the Mechanical Contractor per Section 230600.
 7. Make at least two inspections of the mechanical systems during construction to verify that balancing procedures may be accomplished. Report findings to the Construction Manager.
 8. Balance the Mechanical System two (2) times. The first time shall be considered a rough balance. Any discrepancy in air flow shall be addressed to the Construction Manager. The final balancing will be accomplished after review of rough balance reports.
 9. Verify that automatic control devices are functioning properly. Balancer must provide verification of actual control sensor versus actual readings performed during balancing and report any deficiencies at the time of the functional verification.
 10. Provide an initial TAB of the air and hydronic systems while the systems are being started.
 11. Provide the final TAB after the mechanical systems and ATC systems are completed.
 12. Attend Pre-Install, Functional Performance Testing, Start-up, Pre-Commissioning, and Commissioning coordination meetings and provide relative input. Participate in the functional performance testing and final commissioning. Coordinate and cooperate with the Independent Commissioning Agent. The balancer shall include the costs for a pre-commissioning meeting with all MEP related trades prior to mobilization as well as additional follow up meetings required to discuss, coordinate and execute any changes required based on balancing findings.
 13. Prepare and issue TAB reports in timely manner. Provide a working (Pencil) copy of all preliminary readings to the Construction Manager within 5 working days from the date in which the testing and balancing occurs. Provide final written report within 10 working days of substantial completion.
 14. Provide daily hand written field reports with any deficiencies to the CM.
 15. Perform additional tests, as specified, within 90 days of completing TAB, perform additional testing and balancing to verify that balanced conditions are being maintained throughout and to correct unusual conditions.
 16. The TAB work will be performed during normal work hours in an occupied.
 17. The TAB may not be performed during near-peak summer or winter conditions. Perform additional inspections, testing, adjusting and balancing during near-peak summer and/or winter conditions. This will require remobilization.

18. Coordinate and cooperate with the Mechanical, Plumbing & ATC Contractors for the balancing work.
19. After testing and balancing, close probe holes and patch insulation with new materials identical to those removed.

CONTRACT NO. B-21 - SITEWORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 310519.13	Geotextiles
Section 311000	Site Clearing
Section 312000	Earth Moving
Section 312319	Dewatering
Section 321216	Asphalt Paving
Section 321313	Concrete Paving

BSA+A Specifications

Section 221313	Facility Sanitary Sewers
Section 312000	Earth Moving
Section 321216	Asphalt Paving
Section 321313	Concrete Paving

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

- 1 Provide sitework, utilities, paving, curbs, walks, patio, and concrete pads.
- 2 This Contractor shall visit the site of the proposed work, fully acquaint and familiarize themselves with the conditions as they exist and the character of the operations to be carried out under the proposed Contract, and make such investigation as they may see fit so that they shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize themselves with all conditions which might affect the work shall not be allowed.
- 3 Provide layout of this contract work from a licensed surveyor.
- 4 Protect all existing trees to remain within the limits of construction.
- 5 Perform all demolition, saw cutting and removal of sidewalks, curbs, etc. shown on BSA+A drawing C-201 Demolition Plan and Site Plan.

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- 6 Filling and backfilling as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with the project documents. It is the intent to re-use the existing material for the backfill of the utility trenches. Imported fill is necessary for the filling of the building pad at the kitchen addition.
 - 7 This Contractor will hire a utility locating service to locate and mark all of the existing utilities within the limits of construction. The Contractor will hand dig test pits in order to locate existing utilities and structures that are within the limits of the new utility.
 - 8 Provide perimeter protection of all excavated areas until suitably backfilled.
 - 9 This Contractor shall clean public streets and sidewalks daily. This Contractor shall collect and remove from the site daily all rubbish, scrap and other debris resulting from its operations.
 - 10 Include all costs for traffic maintenance, temporary signage, temporary barricades, arrows, pedestrian protection, flagman, etc. required to complete the work.
 - 11 Base bid shall include all standard dewatering measures; utilizing trenches, crocks, stone and portable pumping measures. This contractor to provide these measures as required to perform their work. Well pointing if necessary will be handled as a negotiated cost by the Owner.
 - 12 Furnish, install, maintain, and remove temporary orange construction fencing as required by Construction Manager.
 - 13 Remove from site concrete slabs on grade, hot mix paving, retaining walls (concrete and masonry) in a legal manner.
 - 14 This Contractor shall notify the Construction Manager immediately if hazardous materials (i.e. asbestos, lead, PCB's, etc.) are uncovered. At that time, all work in the affected area will be stopped until proper removal can be completed by others (i.e. hazardous material abatement contractor).
 - 15 Temporary maintenance standby labor such as for temporary water, temporary power, temporary light and the like where required due to this Contractor's work is to be included within the Contract Price.
 - 16 This Project is to be constructed adjacent to existing buildings, this Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing buildings in the area.
 - 17 All light, power, water and any other utilities, including special provisions for

hookups to same for this Contractor's operations will be provided by this Contractor within the Contract Price and unit prices.

- 18 This Contractor shall comply with all Federal, State and local laws requiring noise control and hours which work is to be conducted. Mufflers, "whisperized" compressors, etc., shall be used as required for compliance with laws and ordinances throughout the course of the Work.
- 19 It is understood that all Work under this Contract shall be in strict accordance with the Building Code with the County, State and any other agency having jurisdiction. In the event of any conflict in any provisions of any regulatory agency and Contract Documents, the more stringent requirements shall apply.
- 20 This Contractor, in the performance of the Work, shall maintain all required means of egress from the existing buildings and alter such stairs, platforms and fire escapes as required to satisfy all agencies having jurisdiction.
- 21 Street openings made for the shutting off or tapping of utility lines or for any other purpose shall be backfilled, tamped and the surfaces restored in accordance with the requirement of applicable local codes or to match existing; whichever is greater.
- 22 This Contractor is responsible for notes D-16, D-17 and C-17 on DALLC drawing A8.4.
- 23 Provide concrete pads at exterior doors per detail 13 on DALLC drawing A8.4. See drawing A8.1 for all locations.
- 24 Provide in the base bid \$10,000 allowance for work as directed by the Construction Manager.

CONTRACT NO. B-22 – ARTIFICIAL TURF

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

DALLC Specifications

Section 116800	Outdoor Sports Equipment
Section 310519.13	Geotextiles
Section 311000	Site Clearing
Section 312000	Earth Moving
Section 312319	Dewatering
Section 321216	Asphalt Paving
Section 321313	Concrete Paving
Section 321813	Synthetic Turf Playing Field System
Section 321814	Synthetic Turf Subsurface Drainage System
Section 321817	Synthetic Track Surfacing System
Section 334416	Utility Trench Drains

BSA+A Specifications

None

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

- 1 Provide synthetic turf, sitework, utilities, storm drainage, utility trenches, paving, curbs, walks, outdoor sports equipment, etc. All work shown on the DALLC Civil Drawings are the responsibility of this contractor.
- 2 This Contractor shall visit the site of the proposed work, fully acquaint and familiarize themselves with the conditions as they exist and the character of the operations to be carried out under the proposed Contract, and make such investigation as they may see fit so that they shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize themselves with all conditions which might affect the work shall not be allowed.
- 3 Provide layout of this contract work from a licensed surveyor.
- 4 Furnish, install, maintain and remove sediment control systems including sediment

control plan. Maintain sediment control until substantial completion established by DNREC.

- 5 Provide and maintain stabilized construction entrances.
- 6 Provide potable water for sitework and dust control from a mobile source. The use of the school district's fire hydrants for construction water is not authorized. The Construction Manager will not provide this service.
- 7 Provide a certified construction reviewer (CCR) to perform inspections and provide written reports; signed and sealed by a professional engineer.
- 8 Clearing, grubbing and removal of existing turf.
- 9 Saw cutting and removal of sidewalks, curbs, etc. in the performance of work is this Contractor's responsibility.
- 10 Filling and backfilling as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with the project documents. Imported fill is necessary for the turf field.
- 11 This Contractor will hire a utility locating service to locate and mark all of the existing utilities within the limits of construction. The Contractor will hand dig test pits in order to locate existing utilities and structures that are within the limits of the new utility.
- 12 Provide perimeter protection of all excavated areas until suitably backfilled.
- 13 This Contractor shall clean public streets and sidewalks daily. This Contractor shall collect and remove from the site daily all rubbish, scrap and other debris resulting from its operations.
- 14 Include all costs for traffic maintenance, temporary signage, temporary barricades, arrows, pedestrian protection, flagman, etc. required to complete the work.
- 15 Base bid shall include all standard dewatering measures; utilizing trenches, crocks, stone and portable pumping measures. This contractor to provide these measures as required to perform their work. Well pointing if necessary will be handled as a negotiated cost by the Owner.
- 16 This Contractor shall notify the Construction Manager immediately if hazardous materials (i.e. asbestos, lead, PCB's, etc.) are uncovered. At that time, all work in the affected area will be stopped until proper removal can be completed by others (i.e. hazardous material abatement contractor).

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- 17 Temporary maintenance standby labor such as for temporary water, temporary power, temporary light and the like where required due to this Contractor's work is to be included within the Contract Price.
 - 18 All light, power, water and any other utilities, including special provisions for hookups to same for this Contractor's operations will be provided by this Contractor within the Contract Price and unit prices.
 - 19 This Contractor shall comply with all Federal, State and local laws requiring noise control and hours which work is to be conducted. Mufflers, "whisperized" compressors, etc., shall be used as required for compliance with laws and ordinances throughout the course of the Work.
 - 20 It is understood that all Work under this Contract shall be in strict accordance with the Building Code with the County, State and any other agency having jurisdiction. In the event of any conflict in any provisions of any regulatory agency and Contract Documents, the more stringent requirements shall apply.
 - 21 This Contractor, in the performance of the Work, shall maintain all required means of egress from the existing buildings and alter such stairs, platforms and fire escapes as required to satisfy all agencies having jurisdiction.
 - 22 Street openings made for the shutting off or tapping of utility lines or for any other purpose shall be backfilled, tamped and the surfaces restored in accordance with the requirement of applicable local codes or to match existing; whichever is greater.
 - 23 Provide in the base bid \$25,000 allowance for work as directed by the Construction Manager.

END OF SECTION